

MR1683-291

Serial Number: 09/766,623

Reply to Final Office Action dated 21 April 2004

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claims 1 -- 5 (Cancelled).

Claim 6 (Currently amended) An image pickup module comprising:

a circuit main board;

an image sensor coupled to said circuit main board, said image sensor including a coupling transistor device disposed within a housing package of said image sensor having a peripheral portion side edge circumscribing said housing package;

a lens seat disposed on said image sensor and being spaced from said circuit main board, said lens seat including a connecting section and an image pickup cylinder section extending therefrom, said connecting section engaging said peripheral ~~portion~~ side edge of said image sensor housing package to ~~be guided thereby be located in into~~ an aligned position; and,

a lens coupled to said image pickup cylinder section of said lens seat, said lens having an axis aligned in ~~predetermined manner relative to~~ with

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said coupling transistor device when said connecting section of said lens seat is disposed in said aligned position.

Claim 7 (Cancelled).

Claim 8 (Currently amended) An The image pickup module as recited in Claim 6 wherein comprising:

a circuit main board;

an image sensor coupled to said circuit main board, said image sensor including a coupling transistor device disposed within a housing package of said image sensor, said housing package having a length and a width dimension defined between opposing peripheral sides thereof;

a lens seat disposed on said image sensor and being spaced from said circuit main board, said lens seat including (a) a connecting section having a length and a width dimension defined between opposing peripheral sides thereof, said length and width dimensions of said connecting section being respectively equal to said length and width dimensions of said housing package of said image sensor, said connecting section being disposed in contiguous contact with a peripheral edge portion of an upper surface of said housing package and having said peripheral sides thereof being aligned with said peripheral sides of said housing package to thereby locate said lens seat in an aligned position, said

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connecting section ~~has~~ having formed thereon first and second end faces defining an inner flange portion to rotentively engage ~~said~~ a peripheral portion of said image sensor housing package, and (b) an image pickup cylinder section extending from said connecting section; and,

a lens coupled to said image pickup cylinder section of said lens seat, said lens having an axis aligned with said coupling transistor device when said lens seat is disposed in said aligned position.

Claims 9 - 11 (Cancelled).

Claim 12 (Currently amended) The image pickup module as recited in Claim 8 further comprising a sealing glass sheet overlaying at least a portion of said upper surface of said image sensor housing package and being in contiguous contact therewith, said peripheral portion of said image sensor housing package extending peripherally beyond said sealing glass sheet one of said end faces of said connecting section being in contact with an upper face of said scaling glass sheet.